

CLAIMS

1. A concrete anchor comprising:

a bar having a top, bottom and first and second sides, at least one attachment aperture, at least one reinforcement bar aperture, and at least one passthrough aperture; and

a projection, the projection being positioned adjacent the second side of the bar and comprising an upwardly projecting top face, a downwardly projecting bottom face, a forwardly projecting front face and a rearwardly projecting rear face.
2. The concrete anchor of claim 1, wherein the bar and the projection are integrally formed.
3. The concrete anchor of claim 1, wherein the upwardly projecting top face is one of two upwardly projecting top faces.
4. The concrete anchor of claim 1, wherein the downwardly projecting bottom face is one of two downwardly projecting bottom faces.
5. The concrete anchor of claim 1, wherein the top of the bar comprises a first channel, a platform face, and a second channel.
6. The concrete anchor of claim 5, wherein the top of the bar further comprises a first upwardly projecting face and a second upwardly projecting face.
7. The concrete anchor of claim 1, wherein the second side of the bar further comprises a downwardly projecting side face, and an extending side face.
8. The concrete anchor of claim 1, wherein the bar further comprises a wedged shaped foot positioned adjacent the bottom of the bar.
9. The concrete anchor of claim 1, further comprising a crescent shaped indentation defined in the first side of the bar.
10. The concrete anchor of claim 1, further comprising a shear plate aperture defined in the bar and positioned adjacent the second side of the bar.

11. The concrete anchor of claim 1, wherein the projection includes a first side face and a second side face, the first side face at least partially defining at least one of a shear plate aperture and a passthrough aperture, and the second side face at least partially defining the second side of the bar.

12. The concrete anchor of claim 1, wherein the at least one passthrough aperture is designed so that the weight of the anchor is reduced by at least 30%.

13. A concrete anchor comprising:

a rectangular shaped bar having a top, a bottom, a first side, and a second side, at least one attachment aperture, at least one reinforcement bar aperture, and at least one passthrough aperture; and

a projection positioned adjacent the second side of the bar, the projection comprising an upwardly projecting top face, a downwardly projecting bottom face, a forwardly projecting front face, and a rearwardly projecting rear face.

14. The concrete anchor of claim 13, wherein the rectangular shaped bar is integrally formed with the projection.

15. The concrete anchor of claim 13, wherein the second side of the rectangular shaped bar further comprises a downwardly projecting side face and an extending side face, the extending side face forming at least a portion of the projection.

16. The concrete anchor of claim 13, further comprising a shear plate aperture defined in the bar and positioned adjacent the second side of the bar.

17. The concrete anchor of claim 15, further comprising a shear plate aperture defined in the bar and positioned adjacent the extending side face.

18. The concrete anchor of claim 13, further comprising a crescent shaped indentation defined in the first side of the rectangular shaped bar.

19. The concrete anchor of claim 13, wherein the top of the rectangular shaped bar includes a first channel, a platform face and a second channel to allow engagement of the rectangular shaped bar with lifting hardware.

20. The concrete anchor of claim 13, further comprising a wedge shaped foot positioned adjacent the bottom of the rectangular shaped bar.

21. The concrete anchor of claim 13, wherein the at least one passthrough aperture is designed so that the weight of the anchor is reduced by at least 30%.

22. A concrete anchor comprising:

a square shaped bar having a top, a bottom, a first side, a second side, at least one attachment aperture, at least one reinforcement bar aperture, and at least one passthrough aperture; and

a projection positioned adjacent the second side of the bar, the projection comprising an upwardly projecting top face, a downwardly projecting bottom face, a forwardly projecting front face, and a rearwardly projecting rear face.

23. The concrete anchor of claim 22, wherein the square shaped bar is integrally formed with the projection.

24. The concrete anchor of claim 22, wherein the projection includes a first side face positioned to at least partially define at least one of a shear plate aperture and a passthrough aperture, and a second side face at least partially defining the second side of the square shaped bar.

25. The concrete anchor of claim 22, further comprising a shear plate aperture positioned adjacent the second side of the square shaped bar.

26. The concrete anchor of claim 22, further comprising a crescent shaped indentation defined in the first side of the square shaped bar.

27. The concrete anchor of claim 22, wherein the top of the square shaped bar comprises a first channel, a platform face and a second channel adapted to engage lifting hardware.

28. The concrete anchor of claim 22, wherein the at least one passthrough aperture is designed so that the weight of the anchor is reduced by at least 30%.